



Number Series



- **Addition/Subtraction Series**
- **Multiplication/Division Series**
- **Combination of Operations Series**
- **Alternating Series**
- **Prime Number based Series**
- **Square/Cube Series**
- **Fractional Series**
- **Miscellaneous (e.g. Fibonacci series)**



Addition Series

2 5 8 11 14 —

2 4 8 14 22 —

4 6 10 18 32 —

Subtraction Series

17 14 11 8 5 —

32 22 14 8 4 —

54 32 18 10 6 —



Multiplication Series

2 6 18 54 _____

4 8 24 96 _____

Division Series

100 50 25 12.5 _____

360 72 18 6 _____



Combination of Operations Series

2 5 11 23 47 _____

4 7 20 79 _____

3 9 31 129 _____



Alternating Series

25 28 24 27 23 —

10 30 15 45 22.5 —

5 6 8 10 11 14 14 —

50 45 40 39 30 33 20 —



Prime Number Based Series

31 37 41 43 47 _____

10 12 15 20 27 _____



529 441 361 289 225 _____

100 101 109 136 200 _____



$\frac{3}{5}$ $\frac{5}{7}$ $\frac{7}{9}$ $\frac{9}{11}$ $\frac{11}{13}$ ____

$\frac{10}{13}$ $\frac{9}{16}$ $\frac{8}{19}$ $\frac{7}{22}$ $\frac{6}{25}$ ____



4 9 13 22 35 57 —

2 10 30 68 130 —

2 12 36 80 150 —



- **Missing Number (in the middle or the last one)**
- **Find out the wrong number**
- **Two Series Questions**
 - **Applying series I logic in series II to complete it**
 - **Identify wrong number and start a new series from that wrong number**
- **Question based on missing terms of multiple series (e.g. find $P \times Q - R$)**



Complete the below number series:

16, 24, 48, 120, 360, ____

- a) 1200
- b) 7200
- c) 1260
- d) 1080
- e) 1440



Answer – Option C



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In the following number series only one number is wrong. Find out the wrong number.

4, 6, 12, 24, 36, 72, 108, 384

- a) 24
- b) 36
- c) 72
- d) 108
- e) 384



Answer – Option C



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In the following number series only one number is wrong. Find out the wrong number.

22, 24, 36, 64, 122, 222

- a) 24
- b) 64
- c) 36
- d) 122
- e) 222



Answer – Option A



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Complete the below number series:

17, 42, 90, 189, 396, ____

- a) 801
- b) 810
- c) 819
- d) 792
- e) 783



Answer – Option B



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In each of the following questions, a number series is given. After the series a number is given followed by (a), (b), (c), (d) and (e). You have to complete the series starting with the number given, following the sequence of the original series and answer the questions that follow the series.

5	6	16	57	244	1245
10	(a)	(b)	(c)	(d)	(e)

What will come in place of (d)?

- | | |
|--------|--------|
| a) 366 | d) 364 |
| b) 368 | e) 378 |
| c) 382 | |



Answer – Option D



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Consider the following three number series:

I. 27, 35, 47, 63, x

II. 6, 6, 18, y, 630

III. 156, 145, 123, z, 46

a) $x = y = z$

b) $x < y = z$

c) $x = y > z$

d) $x < y < z$

e) $x > y = z$



Answer – Option B



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There are two series given and both the series follow the same pattern. Analyse the pattern of the series and answer the given questions.

Series I: 2, 14, 18, 46, 82, 174, 338

Series II: 10, (A), (B), (C), (D), (E), (F)

Which of the following will replace (D)?

- a) 210
- b) 220
- c) 230
- d) 215
- e) 225



Answer – Option A



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Consider the below number series:

69, 126, 198, 290, 405, 549

This wrong number series follows a pattern in which the wrong number in the series is X.

The following series follows the correct pattern of the above series,

X, __, __, Y, __, Z

Find which of the following is correct with respect to the value of (Y+Z).

[a] 602

[b] 953

[c] 717

[d] 1068

[e] 861



Answer – Option B



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Which of the following is correct about the relationship between the wrong numbers in series I and II?

Series I: 10, 9, 14, 33, 114, 555

Series II: 8, 8, 15, 41, 104, 229

- I. The difference between the wrong numbers is divisible by 23.
- II. The sum of the wrong numbers are divisible by 7.
- III. Both the wrong numbers are divisible by 3.

- [a] Only Statement II is correct
- [b] Only Statement I is correct
- [c] Statement I and II are correct
- [d] Statement I and II are incorrect
- [e] Statement I, II and III are correct



Answer – Option C



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Three numeric series are given as follows:

Series I: 21, 46, 147, 604, 3045

Series II: 11, A, B, C, D

Series III: W, X, Y, Z, E

The above three series follow the same pattern and

' $B = X + 7$ '

What will be the value of Z?

[a] 948

[b] 1012

[c] 840

[d] 249

[e] 5085



Answer – Option B



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A series is given as follows:

15, 19, 47, 158, 658, 3301, 19855

If it is mentioned that two numbers in the series given above are wrong, then what is the sum of those wrong numbers?

[a] 792

[b] 705

[c] 816

[d] 875

[e] 677



Answer – Option C



Two series are given below.

Series I: 55, 77, 99, P, Q, R

Series II: R, 231, 297, A, B, C

If it is given that both the series follow the same pattern, then what will be the value of $(R + C)$?

- [a] 660
- [b] 650
- [c] 670
- [d] 655
- [e] 665



Answer – Option A



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Consider the following three number series:

I. 13, A, 99, 412, 2085

II. 7, B, 61, 121, 211

III. 12, 19.5, C, 57, 87

[a] $A < B > C$

[b] $A > B > C$

[c] $A > B < C$

[d] $A < B < C$

[e] $A > B = C$



Answer – Option C



Consider the below number series:

(A), (B), 98, 100, 103, 109, 124, 169

Note: calculate values of (A) and (B), then, answer the question that follows:

Let P be equal to double the value of (A). Then, find the difference between P and 5th term of series given.

[a] 85

[b] 78

[c] 88

[d] 84

[e] 81



Answer – Option E



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The below question consists of a statement at question place followed by three numerical or informative statements I, II and III. You have to study the questions carefully and select the statement(s) which is/are sufficient to justify the statement at question place.

The sum of any two of A, B and C is 13810 in the following number series:

I. 480, 505, 605, 830, A

II. 160, 240, 600, 2100, B

III. 13, 24, 92, 546, C

[a] Only I and III

[b] Only I and II

[c] Only II and III

[d] Either (a) or (b)

[e] Either (b) or (c)



Answer – Option C



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